# Department of Energy Oak Ridge Office

memorandum

DATE:

**REPLY TO** 

ATTN OF: EM-94:Kadas

SUBJECT: ENVIRONMENTAL MANAGEMENT "INTEGRATED ASSESSMENT

PROGRAM, PROCEDURE EM-3.3, REVISION 3" - APPROVED

To: Environmental Management Staff, EM-90

The subject procedure, see attached, is issued for your use. Please read and familiarize yourse with it. It will be placed onto the Office of Environmental Management's Office Policies and Procedures Webpage as soon as possible and will be available there for future reference, see http://www.oakridge.doe.gov/External/Default.aspx?tabid=120.

If you have any questions, please contact Karen Kadas at 241-2224.

/5/

Stephen H. McCracken Assistant Manager for **Environmental Management** 

Attachment

Rtg. Symbol EM-94 EM-94 EM-90 EM-90 initials Date Rtg. Symbol Initials Rtg. Symbol Initials Date Rtg. Symbol

EM-94:K.Kadas:241-2224:kh:576-8730:8-21-06:N:\Technical Support & Assessment Division\Nuclea & Operational Safety Performance Team\K.Kadas\EM Procedure 3.3 Revision 3 – Job 0359

# Department of Energy

Oak Ridge Office

# memorandum

DATE: September 5, 2006

**REPLY TO** 

ATTN OF: EM-94:Kadas

SUBJECT: ENVIRONMENTAL MANAGEMENT "INTEGRATED ASSESSMENT

PROGRAM, PROCEDURE EM-3.3, REVISION 3" - APPROVED

To: Environmental Management Staff, EM-90

The subject procedure, see attached, is issued for your use. Please read and familiarize yourself with it. It will be placed onto the Office of Environmental Management's Office Policies and Procedures Webpage as soon as possible and will be available there for future reference, see <a href="http://www.oakridge.doe.gov/External/Default.aspx?tabid=120">http://www.oakridge.doe.gov/External/Default.aspx?tabid=120</a>.

If you have any questions, please contact Karen Kadas at 241-2224.

Assistant Manager for

**Environmental Management** 

Attachment





# **Integrated Assessment Program**

EM – 3.3 Revision 3

Prepared:	Laur Lades	8/31/04
	Karen Kadas/Preparer	Date:
	DL11C 1	
Approved:	A My Jack	9/05/06
	Stephen H. McCracken,	/ /Date:
	Assistant Manager for Environmental Management	/ Sate.

Procedure No. EM 3.3 Revision 3

Integrated Assessment Program

Effective Date: Page 2 of 16

# TABLE OF CONTENTS

TABL	E OF C	CONTENTS	2
LIST	OF AC	RONYMS	3
1.0	PURI	POSE	4
2 .0	SCO	PE	4
3.0	REFE	ERENCES AND DEFINITIONS	4
	3.1	References	4
	3.2	Definitions	
4.0	ROL	ES & RESPONSIBILITES	6
	4.1	Assistant Manager for Environmental Management (AMEM)	6
	4.2	Contracting Officer's Representative	6
	4.3	Project Directors	
	4.4	Technical Support and Assessment Division Director	6
	4.5	Team Leads	7
	4.6	Program/Project Managers	7
	4.7	Assessment/Walkthrough Lead	8
5.0	PRO	CEDURE	8
	5.1	Integrated Assessment Schedule	8
	5.2	Walkthroughs of Contractor Operations	8
	5.3	Formal EM Assessments of Contractor Operations	10
	5.4	Training, Qualification, and Experience Requirements	13
	5.5	Issues Trending and Analysis	
6.0	RECO	ORDS	13
7.0	ATT	ACHMENTS	14

U.S. Department of Energy

Oak Ridge Office

Office of Environmental Management

Procedure No. EM 3.3 Revision 3

**Integrated Assessment Program** 

Effective Date:

Page 3 of 16

#### LIST OF ACRONYMS

AL Assessment Lead

AMEM Assistant Manager for Environmental Management

CA Corrective Action

CAP Corrective Action Plan

COR Contracting Officer's Representative

DD Division Director

DOE U. S. Department of Energy

EM Office of Environmental Management

FR Facility Representative

IAS Integrated Assessment Schedule

IVR Implementation Verification Review

ORION Oak Ridge Issues, Open Items, and Nonconformance Tracking System

ORO Oak Ridge Office

PD Project Director

PM Program/Project Manager

PSOP Project Safety Oversight Plans

NOSPT Nuclear and Operations Safety Performance Team

QA Quality Assurance

SME Subject Matter Expert

SSC Structures, Systems, and Components

TL Team Lead

TSAD Technical Support and Assessment Division

WL Walkthrough Lead

U.S. Department of Energy	Procedure No. EM 3.3 Revision 3	
Oak Ridge Office	<b>Integrated Assessment Program</b>	
Office of Environmental Management	Effective Date: Page 4 of 16	ĺ

#### 1.0 PURPOSE

This procedure describes the roles, responsibilities, and basic processes to be used for the management of the DOE Oak Ridge Office (ORO) Environmental Management (EM) Integrated Assessment Program.

#### 2.0 SCOPE

This procedure applies to all ORO EM divisions, programs, and projects. It includes the following assessment elements:

- Schedule Development
- Walkthroughs and Oversight of Contractor Operations
- Formalized Assessments and Corrective Actions of Contractor Operations
- Safety Basis Changes and Implementation Verification
- Adequacy of Contractor's Implementation Verification Review
- Assessment of Significant Safety Systems (in accordance with Phase II CRADs)
- Project Audits (in accordance with DOE O 413.1A)
- Trending and analysis of issues.

This procedure supercedes EM-3.3, Rev. 2.

#### 3.0 REFERENCES AND DEFINITIONS

#### 3.1 References

- 3.1.1 DOE O 226.1, Implementation of DOE Oversight Policy
- 3.1.2 DOE O 413.1A, Management Control Program
- 3.1.3 DOE O 414.1C, Quality Assurance
- 3.1.4 DOE O 425.1C, Startup and Restart of Nuclear Facilities
- 3.1.5 ORO O 410, Chapter III, Quality Assurance
- 3.1.6 ORO M 220.1, Oak Ridge Office Assessment Program Manual
- 3.1.7 ORO O 220, Chapter XII, Project Safety Oversight Plans
- 3.1.8 EM Procedure EM-2.1, Startup and Restart of Oak Ridge Reservation Environmental Management Program Work

#### 3.2 Definitions

Refer to ORO M 220.1, Definitions, for terminology used in this procedure. For EM-3.3 specific terminology, not included in ORO M 220.1, see below

- 3.2.1 <u>Safety Structure, Systems, and Components</u>: Those systems that have been credited in the DSA documents as controls that perform important roles to protect the health and safety of the public, workers and the environment. The following are examples:
  - Confinement ventilation systems
  - Active portions of fire protection systems
  - Glovebox systems
  - Criticality monitoring systems
  - Radiation monitoring systems
  - Continuous air monitoring systems

U.S. Department of Energy	Procedure No. EM 3.3 Revision 3	
Oak Ridge Office	Integrated Assessment Program	
Office of Environmental Management	Effective Date: Page 5 of 16	

#### 4.0 ROLES AND RESPONSIBILITIES

#### 4.1 Assistant Manager for Environmental Management (AMEM)

Comply with Assessment Program roles and responsibilities identified in ORO M 220.1.

#### 4.2 Contracting Officer's Representative

4.2.1 Approve and transmit direction to the Contractor regarding corrective actions to address the findings from walkthroughs and assessments of EM Contractors.

#### 4.3 Project/Division Directors

- 4.3.1 Provide input to the Technical Support and Assessment Division Director in the development and maintenance of the EM IAS and ensure that PSOP needs are reflected in the IAS.
- 4.3.2 Ensure participating personnel comply with the requirements of this procedure and ORO M 220.1.
- 4.3.3 Implement a Walkthrough Surveillance Program in accordance with ORO M 220.1.
- 4.3.3 Participate in at least one assessment and/or walkthrough per quarter and ensure that it is documented in ORION.
- 4.3.4 Review Issues Trending reports to establish oversight priorities.

## 4.4 Technical Support and Assessment Division (TSAD) Director

- 4.4.1 Act as the AMEM's assessment program manager.
- 4.4.2 Manage and maintain the EM Integrated Assessment Schedule.
- 4.4.3 Through the Project Directors, ensure all applicable ORO EM personnel are familiar with the requirements of this procedure and ORO M 220.1.
- 4.4.4 Monitor the conduct of the EM Integrated Assessment Program.
- 4.4.5 Participate in at least one assessment and/or walkthrough per quarter.
- 4.4.6 Ensure quarterly summary status reports of overdue EM Contractor corrective actions are provided to EM management.
- 4.4.7 Ensure that issues are reviewed regularly for trends and raised to the Project Directors and AMEM as appropriate.

#### 4.5 Team Leads (including Senior Nuclear Safety Program Manager)

- 4.5.1 Provide the SME support necessary to develop and execute the EM IAS.
- 4.5.2 Ensure Walkthrough Surveillance Program schedules are developed for their team's scope of work.
- 4.5.3 Ensure the EM IAS contains the necessary scope to cover the appropriate programmatic and functional area topics at a sufficient frequency and is communicated to the team.
- 4.5.4 In conjunction with the Program/Project Manager, ensure ORION is utilized for documenting walkthroughs, assessments, corrective action plans, and corrective action completion.

U.S. Department of Energy	Procedure No. EM 3.3 Revision 3
Oak Ridge Office	Integrated Assessment Program
Office of Environmental Management	Effective Date: Page 6 of 16

completion.

- 4.5.5 Ensure the walkthrough and assessment findings are formally reported and routed through their respective Program/Project Managers, then to the COR before being sent to the Contractor for resolution.
- 4.5.6 Participate in at least one assessment and/or walkthrough per quarter.
- 4.5.7 Monitor the conduct of the EM Integrated Assessment Program and Walkthrough Surveillance Program to ensure compliance with ORO M 220.1 and this procedure.

#### 4.6 Program/Project Manager

- 4.6.1 Give input to the TSAD Director, through their respective Team Lead and Project Director, on the development and review of the EM IAS and the team's Walkthrough Surveillance Schedule.
- 4.6.2 Monitor the results of assessments and/or walkthroughs for their facilities/projects.
- 4.6.3 Review and recommend approval/rejection of Contractor CAPs after considering line, SME, and other technical support input.
- 4.6.4 Ensure CAPs and/or corrective actions for walkthroughs and assessments are entered into ORION.
- 4.6.5 Monitor the closure of corrective actions to ensure they meet the CAP, are closed in a timely manner and are effective.
- 4.6.6 Verify/validate the closure of Contractor corrective actions in accordance with Corrective Action Plans.
- 4.6.7 Ensure changes to CAPs and/or corrective actions are approved at the same level as the original, are tracked until closure, and that closure basis is documented.
- 4.6.8 Participate in at least one assessment and/or walkthrough per quarter and ensure that it is documented in ORION.

#### 4.7 Assessment/Walkthrough Lead

- 4.7.1 With support from the Project Directors, Program/Project Managers, and Team Leads, select and schedule the personnel necessary to conduct the assessment/walkthrough.
- 4.7.2 Comply with requirements of ORO M 220.1, Section 5.0 for the conduct of assessments and ORO M 220.1, Section 7.0 for the conduct of walkthroughs.
- 4.7.3 Assemble and maintain assessment evidence files that are consistent with the scope of the assessment as appropriate. Evidence files are not required for walkthroughs.
- 4.7.4 Prepare walkthrough and assessment reports.
- 4.7.5 Transmit walkthrough and assessment reports to the appropriate FR, PM, Team Lead and PD. Transmit reports to the Contractor via the COR, as appropriate.

#### 5.0 PROCEDURE

The following sections provide direction to all personnel who participate in the EM integrated assessment program.

#### 5.1 EM Integrated Assessment Schedule

U.S. Department of Energy	Procedure No. EM 3.3 Revision 3	
Oak Ridge Office	Integrated Assessment Program	
Office of Environmental Management	Effective Date: Page 7 of 16	

- 5.1.1 An EM Integrated Assessment Schedule is developed and maintained by TSAD and includes ESH&Q and business management activities. The schedule shall be populated with the needed assessment topics taking into account input from the Project/Division Directors, Team Leads and Program/Project Managers. The following shall be considered when developing the schedule.
  - 5.1.1.1 The schedule should envelope a 36 month time frame based on a fiscal year format (October to September).
  - 5.1.1.2 The schedule shall focus on the next 12 months.
  - 5.1.1.3 The schedule shall take into account requirements identified in the Three Year Plan.
- 5.1.2 Route the completed schedule to the Project/Division Directors and Program/Project Managers for their review of assessment topics and resource loading.
- 5.1.3 Make changes as appropriate to address comments and route to the Assistant Manager for Environmental Management for approval and transmittal to affected organizations
  - 5.1.3.1 Send copies of the schedule to staff and field personnel as applicable.
  - 5.1.3.2 Enter the schedule into ORION.
- 5.1.4 The schedule shall be reviewed and updated at least annually to document the completion of assessment topics and/or edit the assessment schedule and reallocate resources based on changing requirements and needs.
- 5.1.5 The revised schedule must reflect a change in revision and be approved prior to being reissued.

#### 5.2 Walkthroughs of Contractor Operations (Attachment A Parts I and II)

- 5.2.1 Walkthroughs may be scheduled or unscheduled to cover planned and emergent topics. Formal guidelines or lines of inquiry are recommended for performing the walkthrough but are not mandated. At a minimum the Walkthrough Lead should have a topic or focus area and should have knowledge of the reference driving the topic or focus area.
- 5.2.2 A Walkthrough Surveillance Program schedule should be developed at the Project Director and Team Lead level and may be incorporated into the PSOP.
  - 5.2.2.1 The schedule shall include what is to be reviewed and the team member responsible for the walkthrough.
  - 5.2.2.3 The schedule should have an approval signature(s) and a revision indicator.
- 5.2.3 Copies of the schedule should be distributed to EM Management and the applicable Contractor points of contact.
- 5.2.4 The assigned Walkthrough Lead shall coordinate and schedule SME and technical support as needed to complete the scheduled or emergent walkthrough topic.
- 5.2.5 The Walkthrough Lead shall conduct the walkthrough in accordance with ORO M 220.1 and this procedure.
  - 5.2.5.1 For safety reasons, the walkthrough performer shall notify the appropriate Facility Manager, Safety Advocate, or other job site representative knowledgeable of safety and health requirements of a walkthrough activity.
  - 5.2.5.2 Any findings noted during the walkthrough shall be shared with the Facility Representative, Program/Project Manager, Team Lead, and Project Director.
  - 5.2.5.3 During the walkthrough, if any activities are noted that represent an imminent

U.S. Department of Energy	Procedure No. EM 3.3 Revision 3
Oak Ridge Office	Integrated Assessment Program
Office of Environmental Management	Effective Date: Page 8 of 16

participants of the assessed activity to Stop Work. The assessor will then immediately notify DOE Management following the appropriate chain-of-command.

- 5.2.6 The Walkthrough Lead shall document the walkthrough and any subsequent findings in ORION. The findings shall be appropriately entered into ORION as issues rather than noted in the comment field.
- 5.2.7 If there are any Priority 1 or 2 findings, a cover letter shall be drafted by the Walkthrough Lead for COR transmittal of the ORION walkthrough report to the Contractor. The cover letter shall include a request for a Corrective Action Plan to include the following at a minimum:
  - A determination of the extent of the deficiency.
  - A corrective action schedule with specific activities as appropriate and the individual responsible.
  - Immediate or interim corrective actions if resolution is long term.
  - Direct and contributing causes.
  - Root causes if the issue is considered systemic
  - Direction to provide a CAP within two weeks from the date of the letter. This should be considered a goal and not a mandate.
  - Request notification and closure evidence when the contractor has closed an issue.
- 5.2.8 For each Priority 1 or 2 issue entered into ORION, the appropriate manager shall be included on email distribution. This will serve as the opportunity for acknowledgement by the manager. If no response is received, the walkthrough lead may assume that the manager has acknowledged the issue.
- 5.2.9 When a CAP is received by the COR from the Contractor it shall be evaluated by the Program/Project Manager and Walkthrough Lead for comment and/or approval.
  - 5.2.9.1 The Walkthrough Lead will review the CAP to for appropriate corrective actions and comment as needed and forward the CAP to applicable Project Directors and Program/Project Managers for review and comment.
  - 5.2.9.2 The Program/Project Manager shall review the CAP and comment as needed. Review comments shall also be assembled from the Project Director for comment resolution.
  - 5.2.9.3 The Program/Project Manager shall coordinate the resolution of any comments with the Contractor. The Walkthrough Lead should assist with the comment resolution as requested.
- 5.2.10 When comments to the CAP have been resolved, the Program/Project Manager shall ensure the CAP is entered into ORION.
  - 5.2.10.1 The Contractor's CAP tracking ID from their tracking database can be referenced in ORION instead of repeating the CAP description.
  - 5.2.10.2 If the Contractor does not have a tracking database then the CAP must be repeated in ORION.
- 5.2.11 The Program/Project Manager shall ensure the CAPs are tracked to closure and closed out in ORION when they are completed. Adequate closure documentation must be noted in ORION and may be attached.
- 5.2.12 If the Contractor requires an extension to the CAP date or description, the Program/Project Manager shall review and approve the revision, as appropriate.

U.S. Department of Energy	Procedure No. EM 3.3 Revision 3	
Oak Ridge Office	Integrated Assessment Program	
Office of Environmental Management	Effective Date: Page 9 of 16	İ

Manager shall review and approve the revision, as appropriate.

- 5.2.12.1 ORION shall be updated as needed to address the approved changes requested by the Contractor.
- 5.2.12.2 Revisions to the CAP shall be reported to management.

#### 5.3 Formal EM Assessments (Attachment B, Parts I and II)

- 5.3.1 Assessments shall be conducted in accordance with ORO M 220.1 and this procedure.
- 5.3.2 Formal assessments require greater planning than walkthroughs. The planning will encompass the schedule, guidelines for conduct, and report writing. EM assessments may include the following subject areas:
  - Assessments and Corrective Actions of Contractor Operations
  - Safety Basis Changes and Implementation Verification
  - Adequacy of Contractor's Implementation Verification
  - Assessment of Safety Significant Systems
  - Project Management and Business Systems
  - Management Assessments, including functional and self assessments
  - 5.3.1.1 Safety basis changes and implementation verification (including Contractor's implementation verification) may be accomplished as part of the formal assessment process of the Operational Readiness Review or Readiness Assessment.
- 5.3.3 The Assessment Lead shall coordinate and schedule the SME and technical support required to make-up the assessment team and conduct the assessment.
  - 5.3.2.1 For Safety basis change and IVRs, the cognizant facility representative and program/project manager should be included on the review team.
- 5.3.4 Assessments shall be of sufficient scope, duration, and frequency to ensure that ORO EM and Contractor operations are accomplished in a safe manner and within cost, schedule, and scope.
- 5.3.5 The organization to be assessed should be notified by the Assessment Lead at least two weeks in advance of the assessment.
- 5.3.6 Assessments shall be performed according to an assessment plan that is prepared by the Assessment Lead, with concurrence from the responsible manager, in advance of the assessment.
- 5.3.7 The assessment plan should contain the following:
  - 5.3.7.1 Objective: a brief statement of what the assessment is to accomplish.
  - 5.3.7.2 Scope: a brief summary of the topical areas that will be covered during the assessment, and the depth to which each will be covered.
  - 5.3.7.3 <u>Assessment Methods</u>: a listing of the planned date(s) of the assessment, team members, areas of review for each team member, general assessment techniques, and methods for issues communication during the conduct of the assessment.
  - 5.3.7.4 <u>Listing of Performance Criteria References</u>: applicable requirements, regulations, DOE Orders, procedures, and/or industry standards. For safety basis change and implementation verification reviews, the Contractor's Implementation Plan shall serve as the basis for the validation criteria. DOE may include additional requirements if not adequately addressed by the Contractor's Implementation Plan.

U.S. Department of Energy	Procedure No. EM 3.	3 Revision 3	ļ
Oak Ridge Office	Integrated Assessi	ment Program	
Office of Environmental Management	Effective Date:	Page 10 of 16	

- 5.3.7.5 <u>Listing of Lines-of-Inquiry</u>
- 5.3.7.5 <u>Reporting Methods</u>: a brief summary discussing the format of the assessment report and when draft and final reports will be released.
- 5.3.8 The Assessment Lead shall conduct an in-brief covering the scope with the organization being assessed at the start of each assessment.
- 5.3.9 Assessment team staff must document the results of the assessment lines-of-inquiry using a checklist, a logbook, or similar. All documentation will be of sufficient detail to reconstruct the activity being observed as well as the inspection logic.
- 5.3.10 During the assessment, if any activities are noted that represent an imminent threat to worker safety, or environmental protection, the assessor will alert the participants of the assessed activity to Stop Work. The assessor will then immediately notify the affiliated DOE and Contractor program/project managers and the DOE Facility Representatives.
- 5.3.11 For assessments that last more than one day, the opportunity for routine feedback meetings should be offered to the assessed organization by the Assessment Lead. At these meetings, the Assessment Lead should provide a status on the conduct of the assessment as well as any findings, observations, and proficiencies that have been identified.
- 5.3.12 Upon completion of the assessment, an out-brief shall be held with the assessed organization. At this meeting, a summary of the assessment results will be presented by the Assessment Lead. The time frame for delivery of the assessment report will also be discussed during this meeting.
  - 5.3.12.1 Appropriate DOE and Contractor personnel shall be invited to the closeout meeting (e.g. Project Director, Program/Project Lead, Facility Representative, Contractor Facility Manager, etc.).
- 5.3.13 All assessments require a formal report. The report is prepared by the Assessment Lead with input from the team staff.
- 5.3.14 The content of the report shall include:
  - 5.3.14.1 Audit objective
  - 5.3.14.2 Scope covered during the assessment
  - 5.3.14.3 Methods of performance
  - 5.3.14.4 Results, including proficiencies, findings, and observations.
  - 5.3.1.4.5 For safety basis change and implementation verification reviews, the report shall include a conclusion on the adequacy of the Contractor's Implementation Verification Review and the recommendation to approve operation under revised safety basis document or list of prerequisites and closure criteria.
- 5.3.15 A memo to the AMEM shall be drafted by the Assessment Lead for self assessments. For Contractor assessments, a letter shall be prepared for COR transmittal if there are any Priority 1 or 2 findings to communicate to the Contractor. The cover letter shall include a request for a Corrective Action Plan to include the following at a minimum:
  - A determination of the extent of the deficiency.
  - A corrective action schedule with specific activities as appropriate and the individual responsible.
  - Immediate or interim corrective actions if resolution is long term.
  - Direct and contributing causes.
  - Root causes if the issue is considered systemic

U.S. Department of Energy	Procedure No. EM 3.3 Revision 3
Oak Ridge Office	Integrated Assessment Program
Office of Environmental Management	Effective Date: Page 11 of 16

- Direction to provide a CAP within 30 days from the date of the letter. This should be considered a goal and not a mandate.
- A courtesy copy of the report shall be transmitted to the Contractor Project or Facility Manager.
- 5.3.16 As a general rule, the Assessment Lead should submit the official assessment report to the, Project Directors, Project Managers, and Contractor within 2 weeks of the assessment closeout meeting and enter issues into ORION. Receipt and/or approval of the cover memo/letter shall serve as management acknowledgement of Priority 1 and 2 findings for entry into ORION.
  - 5.3.16.1 Any corrective actions that were taken during the assessment and are listed in the assessment report must also be entered in ORION.
- 5.3.17 When a CAP is received it shall be evaluated by the Program/Project Manager and Assessment Lead for comment and/or approval.
  - 5.3.17.1 The Assessment Lead will review the CAP for appropriate corrective actions and comment as needed and forward the CAP to applicable Project Directors and Program/Project Managers for review and comment.
  - 5.3.17.2 The Program/Project Manager shall review the CAP and comment as needed. Review comments shall also be assembled from the Project Director for comment resolution.
  - 5.3.17.3 The Program/Project Manager shall coordinate the resolution of any comments. The Assessment Lead should assist with the comment resolution as requested.
- 5.3.18 When comments to the CAP have been resolved the Program/Project Manager shall ensure the CAP is entered into ORION.
  - 5.3.18.1 If it is a Contractor's CAP, the tracking ID from their tracking database can be referenced in ORION instead of repeating the CAP description.
  - 5.3.18.2 If the Contractor does not have a tracking database then the CAP must be repeated in ORION.
- 5.3.19 The Program/Project Manager shall ensure the CAPs are tracked to closure and closed out in ORION when they are completed. Adequate closure documentation must be noted in ORION and may be attached.
- 5.3.20 If a Contractor requires an extension to the CAP date or description, the Project Manager shall review and approve the revision as appropriate.
  - 5.3.20.1 ORION shall be updated as needed to address the approved changes requested by the Contractor.
  - 5.3.20.2 Revisions to the CAP shall be reported to management.

#### 5.4 Training, Qualification, and Experience Requirements

- 5.4.1 Personnel conducting walkthroughs and assessments shall meet requirements of ORO M 220.1 and understand the requirements of this procedure.
- 5.4.2 Lead Assessor/Auditor must have the attributes, skills, and experience to manage all phases of the assessment.

#### 5.5 Issue Trending and Analysis

5.5.1 An ORION Issues Report and Trending Report will be developed monthly by the NOSPT for review by the TSAD DD. Issues and Trends needing senior management attention will

U.S. Department of Energy	Procedure No. EM 3.3 Revision 3
Oak Ridge Office	Integrated Assessment Program
Office of Environmental Management	Effective Date: Page 12 of 16

be presented at the Monthly Project Performance Review Meeting.

- 5.5.2 Issues entered into ORION will be used as the basis for the Issues and Trending Report
- 5.5.3 The Issues and Trending Report will provide an overview of the previous month and year issues by functional area as defined in ORION. The issues will be further binned by Project and by Contractor. These reports will be distributed to the Federal Project Directors for use in prioritizing oversight activities.

#### 6.0 RECORDS

#### 6.1 Program Records

- 6.1.1 Records generated as a result of implementation of this procedure include, but are not limited to:
  - 1. Assessment Plans
  - 2. Completed Lines-of-Inquiry or Checklists (as applicable)
  - 3. Attendance Sheets
  - 4. Assessment Reports
  - 5. Corrective Action Plan
  - 6. Correspondence on changes to CAPs, including extensions and rejections
  - 7. Letters requesting Corrective Action Plan
  - 8. CAP approval letters
  - 9. Evidence files for corrective action closure
  - 10. Any other assessment correspondence
  - 11. Issues and Trending Reports
- 6.1.2 Records shall be maintained in accordance with the established ORO EM Records Management System.

#### 7.0 ATTACHMENTS

- ATTACHMENT A, Walkthrough Flow of Work and Responsibilities Part I, Walkthrough Preparation and Conduct
- ATTACHMENT A, Walkthrough Flow of Work and Responsibilities Part II, CAP Disposition
- ATTACHMENT B, Assessment Flow of Work and Responsibilities, Part I, Assessment Preparation and Conduct
- ATTACHMENT B, Assessment Flow of Work and Responsibilities, Part II, CAP Disposition

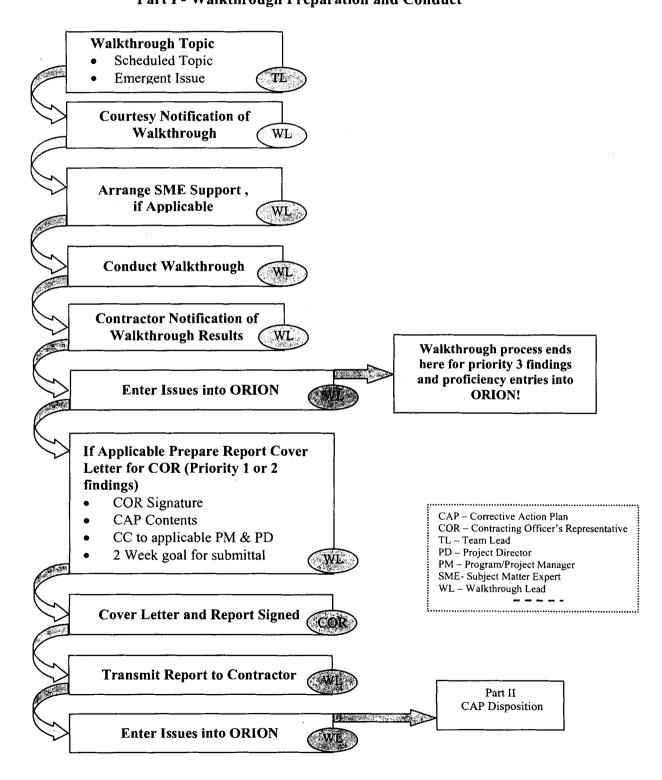
Procedure No. EM 3.3 Revision 3
Integrated Assessment Program

Effective Date:

Page 13 of 16

#### **ATTACHMENT A**

# Walkthrough Flow of Work and Responsibilities Part I - Walkthrough Preparation and Conduct



Procedure No. EM 3.3 Revision 3

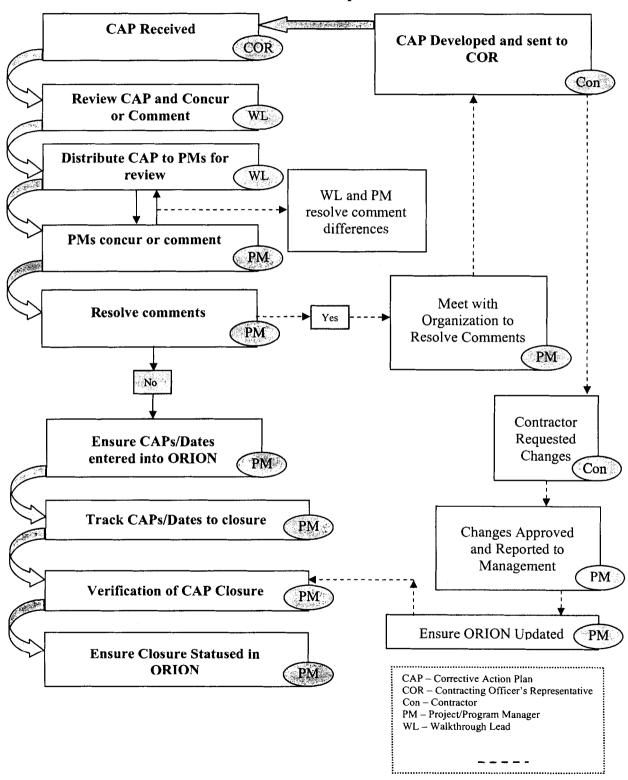
Integrated Assessment Program

Effective Date: Page 14 of 16

#### **ATTACHMENT A**

# Walkthrough Flow of Work and Responsibilities

## Part II - CAP Disposition



Procedure No. EM 3.3 Revision 3

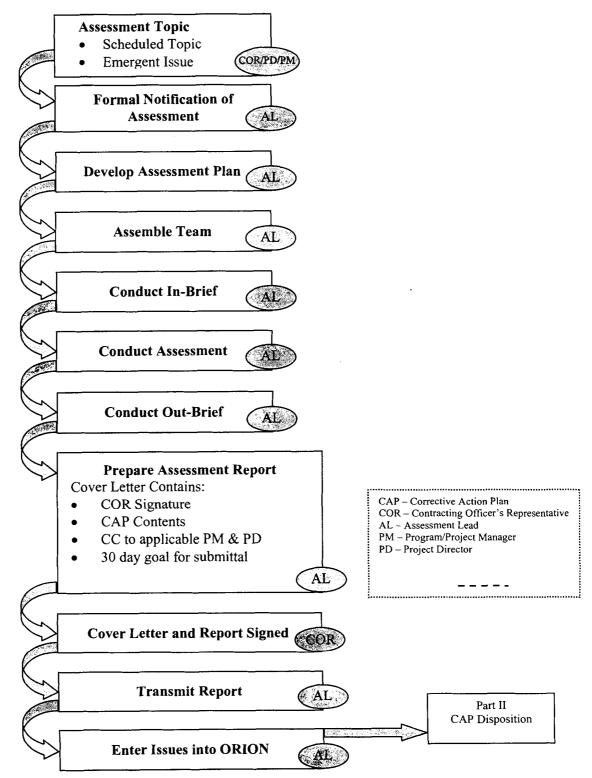
Integrated Assessment Program

Effective Date: Page 15 of 16

#### **ATTACHMENT B**

# Assessment Flow of Work and Responsibilities

## Part I - Assessment Preparation and Conduct



Procedure No. EM 3.3 Revision 3

Integrated Assessment Program

Effective Date:

Page 16 of 16

#### ATTACHMENT B

# Assessment Flow of Work and Responsibilities

#### Part II - CAP Disposition

